

Educational Data Uses: The Partnership between the State of Florida and the Census Bureau

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Office of Educational Accountability
and Information Service

Florida Department of Education Data and Policy Analysis Resources

- Sector Data Systems
- Program Data Resources
- K-20 Data Systems

Florida Department of Education Data and Policy Analysis Resources

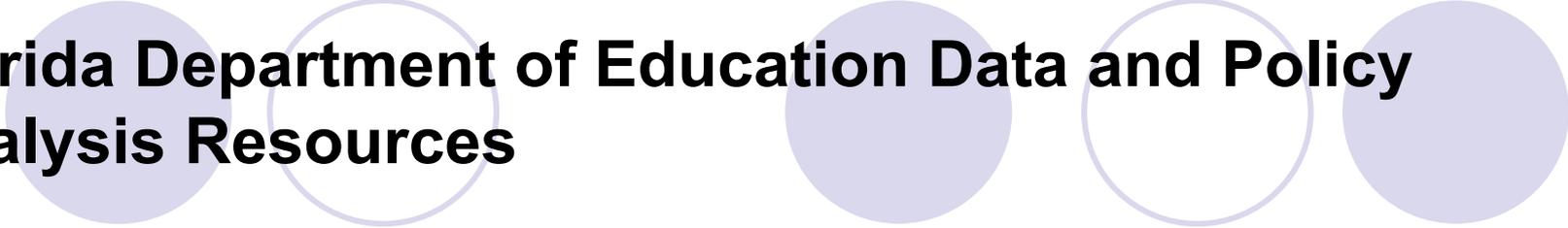
- Sector Data Systems

- Public Schools
- Workforce Education
- Community Colleges
- Public Universities
- Beginnings of Independent Sectors

Florida Department of Education Data and Policy Analysis Resources

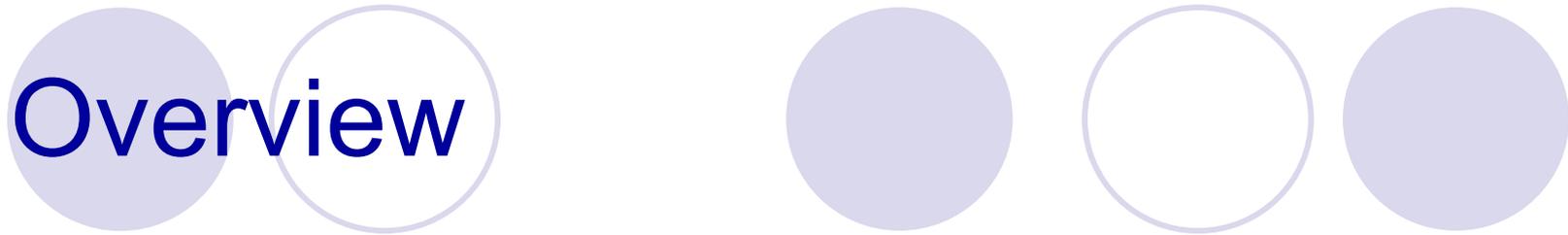
- Program Data Resources
 - Assessment
 - Equal Opportunity/Access
 - Independent Licensure
 - Financial Aid

Florida Department of Education Data and Policy Analysis Resources



- K-20 Data Systems

- Florida Education and Training Placement Information Program (FETPIP)
- K-20 Education Data Warehouse



Overview

- **Questions in Education Research**
What type of information is desired?
- **Current Status of LEHD/Education Data**
What is available now?
- **Future Possibilities for Research**
What could be mined from the combined data?

Questions in Education Research

- Workforce Quality
- Workforce Composition
- Performance Reporting and Accountability

Questions in Education Research

- Workforce Quality
 - Teacher Experience and Retention
- Workforce Composition
 - Employment
 - Earnings
 - Occupational Forecasting
 - Workforce Estimating

Questions in Education Research

- Performance Reporting and Accountability
 - Placement Information for Students
 - Performance Accountability K-20
 - Performance Based Program Budgeting
 - Federal Vocational Reporting
 - Return on Investment Analysis
 - Program Audit Reviews
 - Allocation of State Workforce Appropriations \$~650 M

Using LEHD to Analyze Questions

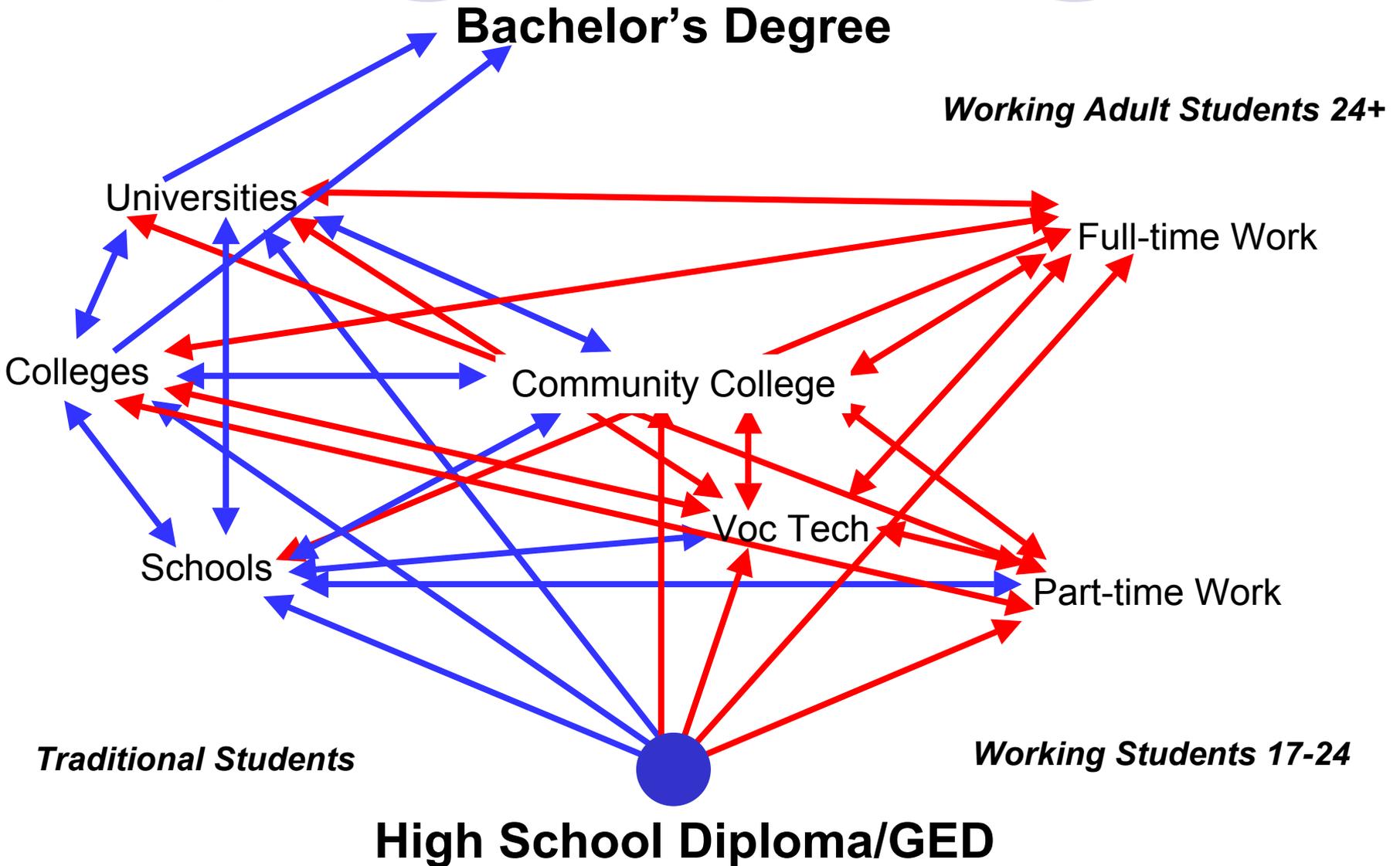
Current LEHD/Florida Products

- Workforce Composition
- Earnings
- Turnover

Potential LEHD/Florida Products

- Academic Attainment Level
- Educational Requirements
- Correlation of Educational Level
 - *to regional Needs*
 - *to worker Needs*
- Assess and Plan Education Delivery Methods

The Pipeline Schematic



Credential Outputs
Major Pipeline Outputs

Doctoral Degrees

Professional Degrees

Master's Degrees

Bachelor's Degrees

Associate Degrees

One-year PS Cert.

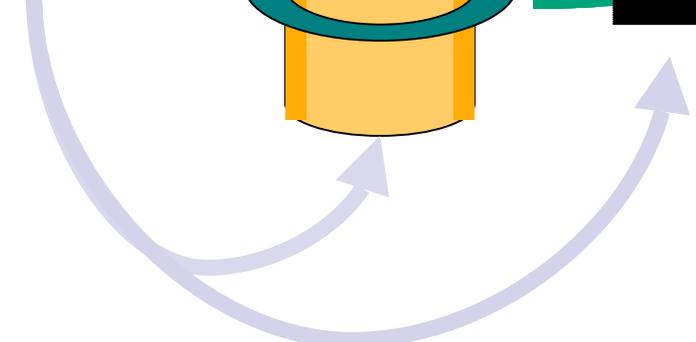
HS Diplomas

**18-24
Age Group**

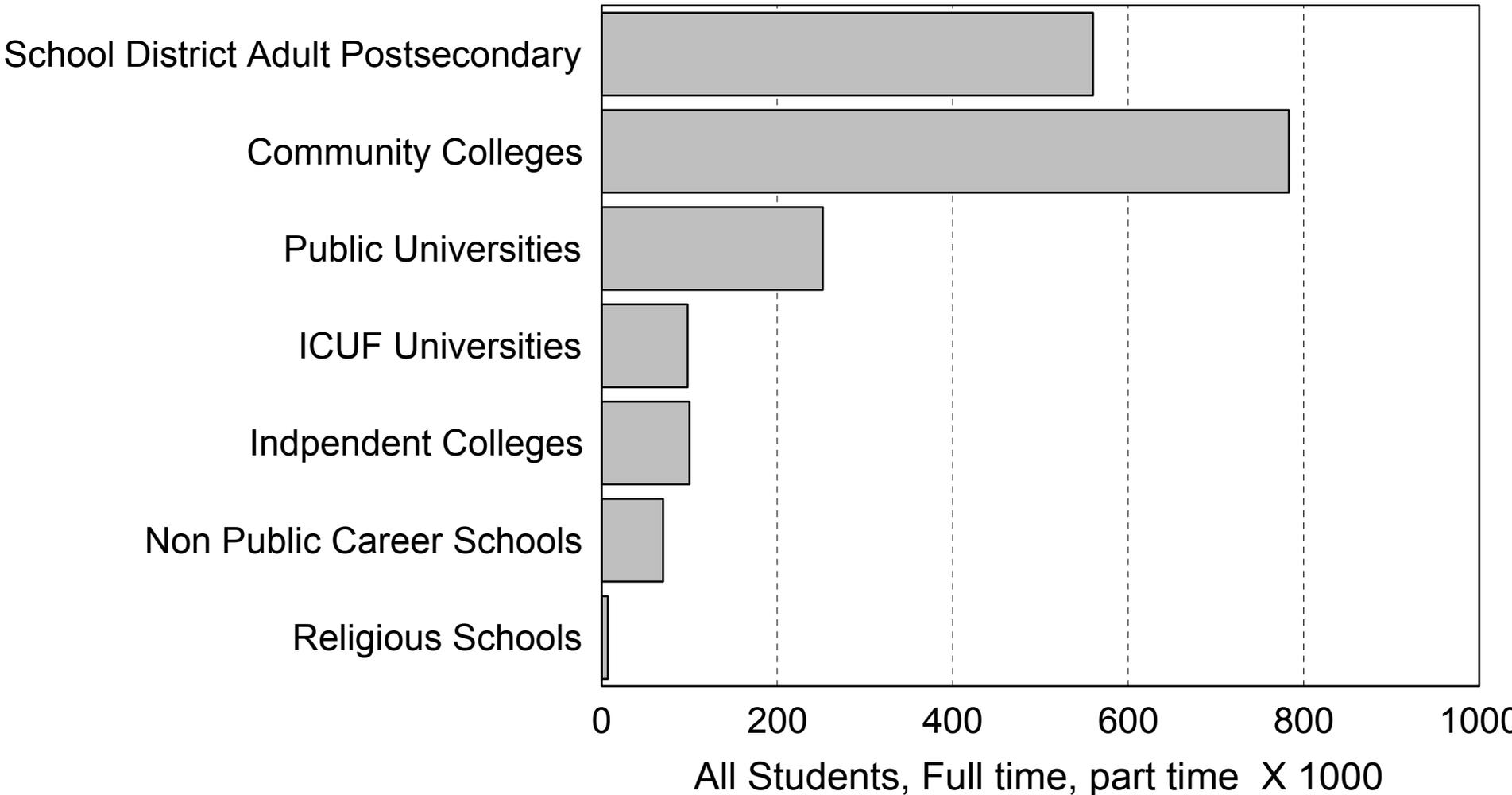
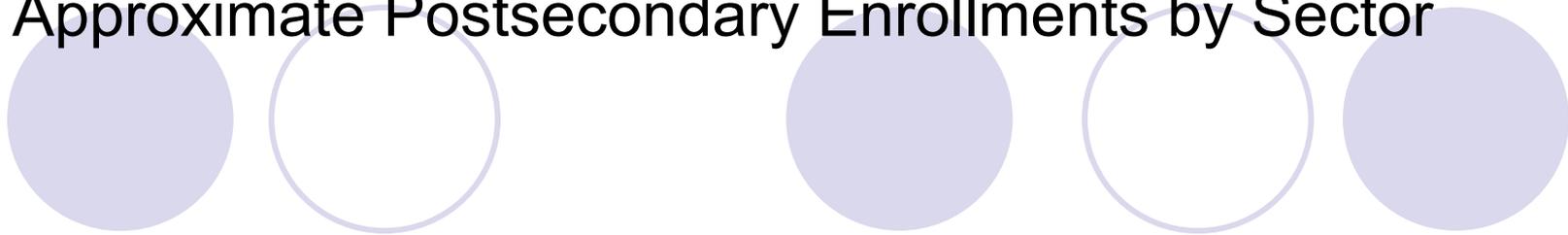
Students Exiting/Entering
Additional Pipeline Inputs

Employment

Part time traditional students, stop in/stop outs, students entering from out of state, students >24 years old.



Approximate Postsecondary Enrollments by Sector

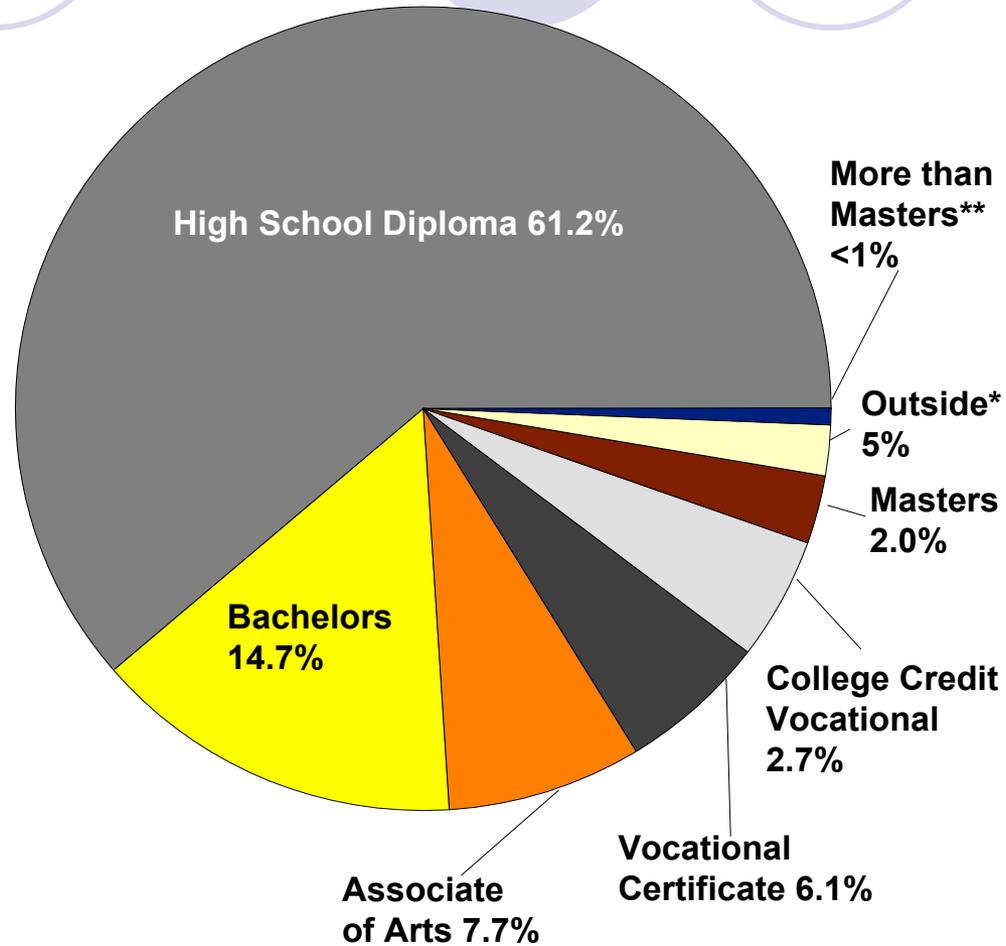


Source: Florida Division of Colleges and Universities

1990-1991 Florida High School Graduates Highest Educational Attainment Level in 2000-2001

79,928 Students

• 10 years after graduating from a public Florida high school, most of those who acquired a high school diploma in 1991 had not earned a higher-level education credential.



*Estimate of out-of-state Postsecondary attainment at any level.

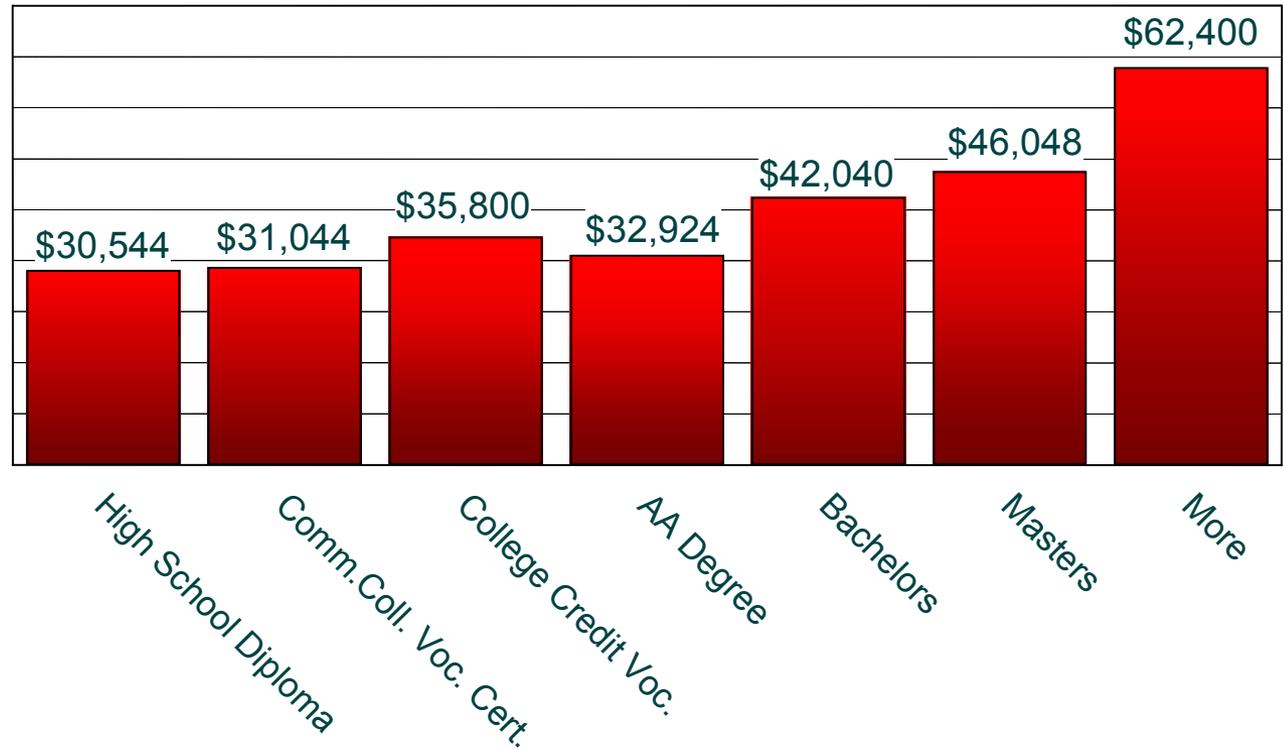
**Any type of degree or specialization past masters...

- Florida's graduates earn salaries that increase as they attain higher levels of educational credentials.

- Earnings for high school graduates in 1991, started at about \$11,800 per year for full time work. Each year after graduation, the amount increased, but began to level off in 1997-98.

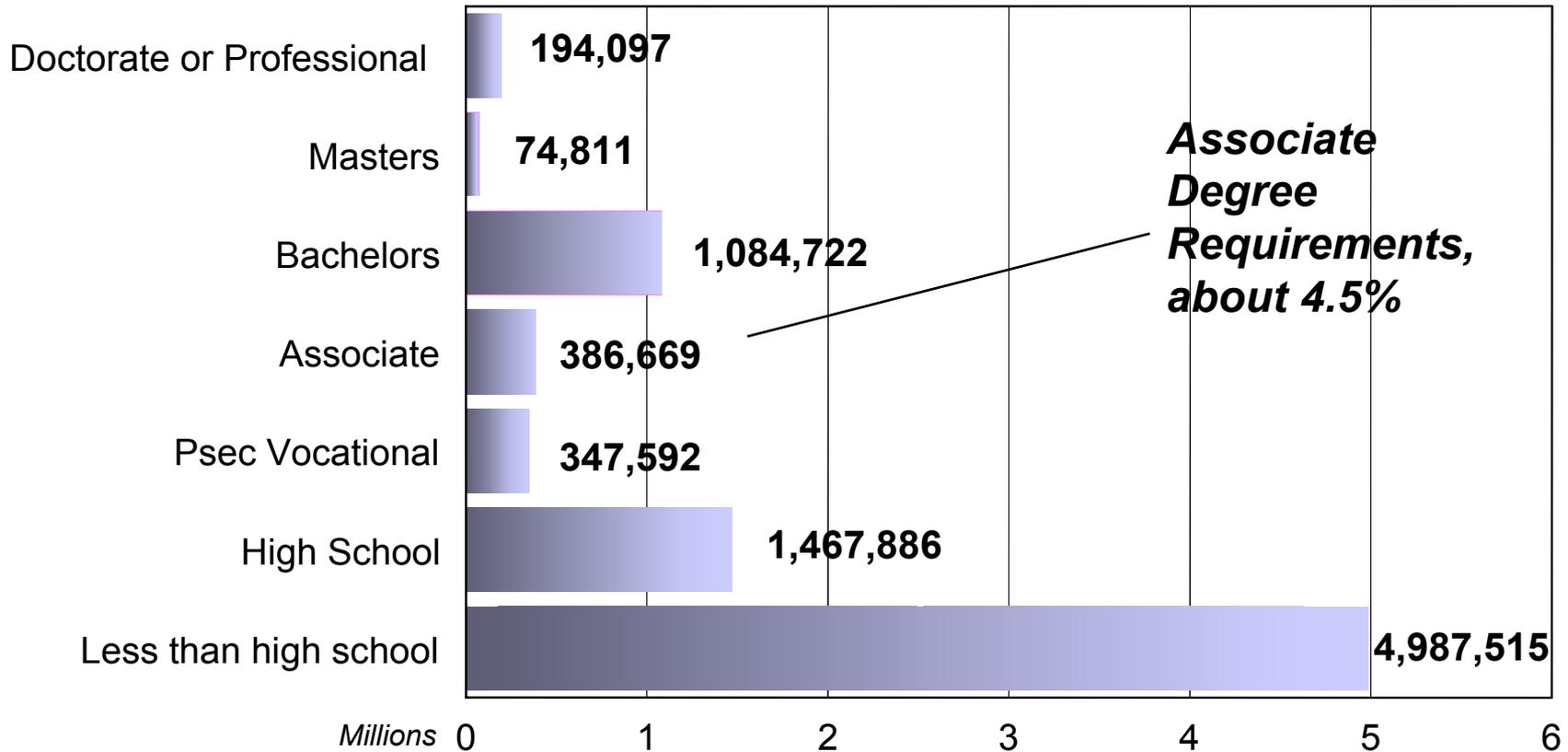
Florida Public High School Class of '91 Highest education credential attained through 2001

Earnings: October - December 2001 Quarter



Source: FETPIP Longitudinal, 1990-91 Florida Public High School Graduates. Note that the earnings levels, while annualized in this chart, are based on the earnings of former students during the fall quarter of 2001 in Florida.

Projected Florida Employment in 2009 by Educational Attainment Requirements



Based on **Number** Employed

Source: Florida Agency for Workforce Innovation

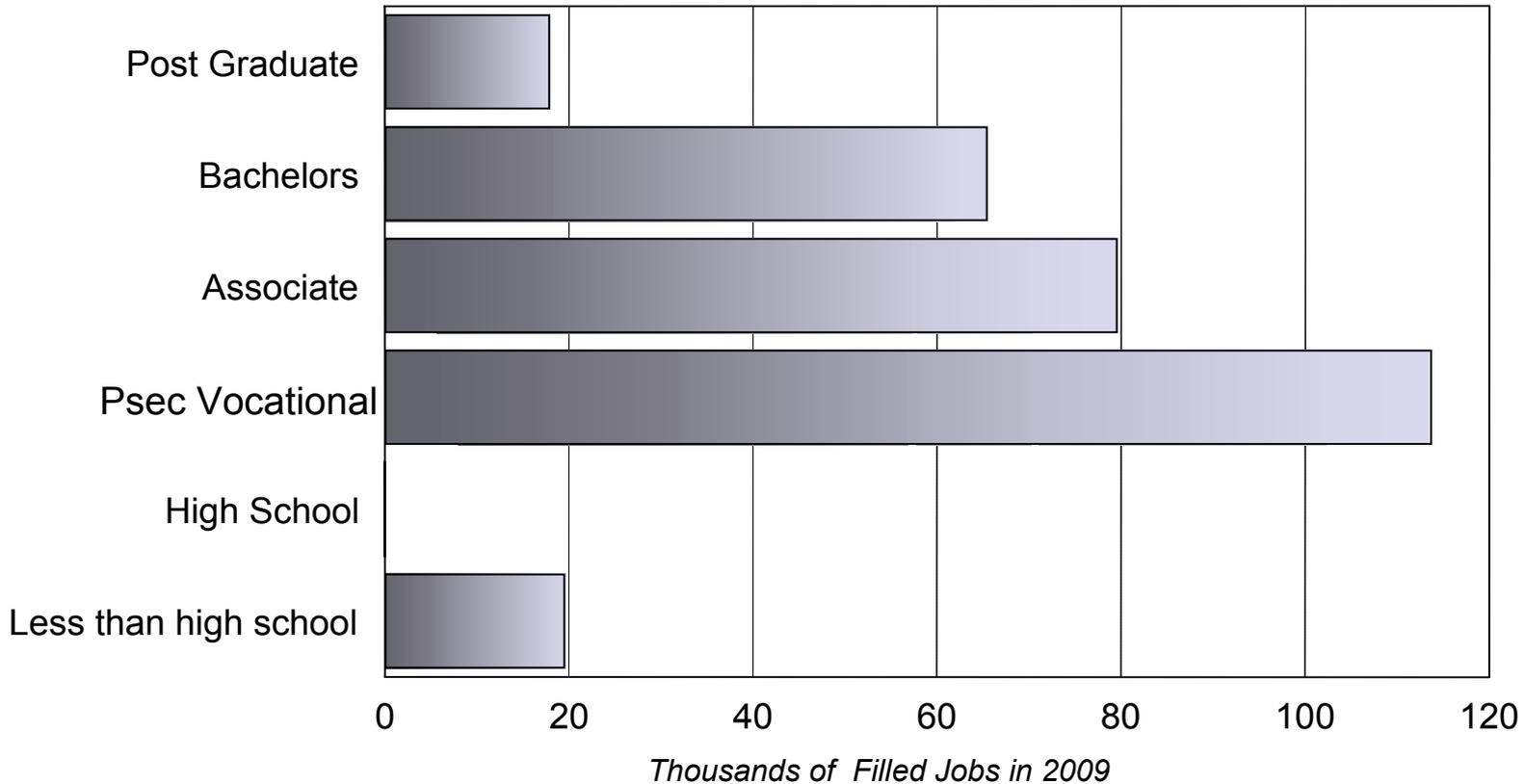
Florida Occupations Projected to Gain the Most Jobs

Occupation	Employment-2009	Annual Growth	Educational Attainment
Retail Salesperson	300,865	1.93%	HS
Cashier	223,545	2.49%	<HS
General Manager/Top Executive	236,047	2.07%	Bachelors +
General Office Clerk	235,273	2.04%	<HS
Registered Nurse	155,983	2.94%	Associate +
Receptionist	123,740	2.85%	<HS
Systems Analyst	57,463	7.67%	Associate +
Laborer/Landscaper/Groundskeeper	111,960	3.02%	<HS
Truck Driver, Light	111,789	2.76%	<HS
Nursing Aide/Orderly	86,986	3.50%	HS
Computer Support Specialist	44,837	8.50%	Voc. Cert. +
Waiter/Waitress	151,881	1.69%	<HS
Telemarketer, door-to-door sales	81,664	3.03%	HS
Food Prep Server, Fast Food	137,413	1.60%	<HS

Based on **Percent** growth

2009 Florida Employment in the 25 Fastest Growing Jobs by Educational Attainment Requirements

Growth in these jobs, ranges from 49% to 127% Between 1999 and 2009



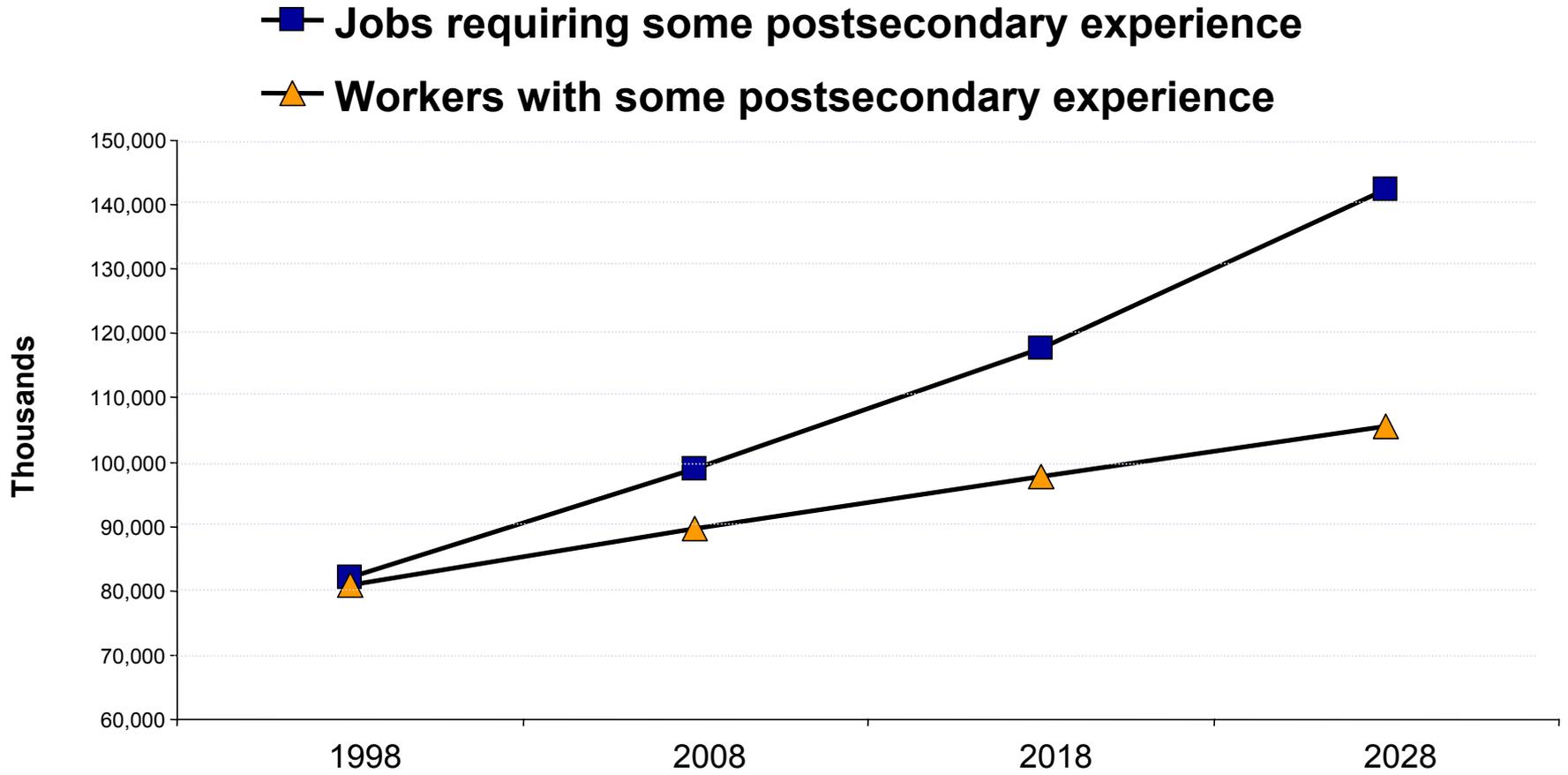
Accounts for 410,283 Employees in 2009

Florida Occupations Growing the Fastest

Occupation	Employment 2009	Annual Growth	Educational Attainment
Computer Support Specialist	44,837	8.50%	Voc. Cert. +
Systems Analyst	57,463	7.67%	Associate +
Desktop Publishing Specialist	1,569	6.75%	Voc. Cert. +
Computer Engineer	21,004	6.33%	Bachelors +
Surgical Technician	6,164	6.20%	Voc. Cert. +
Medical Records Technician	10,275	5.66%	Voc. Cert. +
Paralegal	15,692	5.63%	Voc. Cert. +
Medical Assistant	29,750	5.60%	Voc. Cert. +
Data Base Administrator	6,233	5.49%	Associate +
Instructional Coordinator	8,840	5.39%	Bachelors +
Home Health Aid	39,613	5.29%	Voc. Cert. +
Physician Assistant	6,485	5.18%	Associate +
Cardiology Technologist	2,238	5.16%	Bachelors +
Respiratory Therapist	7,961	5.15%	Associate +

Source: Agency for Workforce Innovation

Projected Growth in Supply and Demand of Workers With Some Postsecondary Education, 1998 to 2028



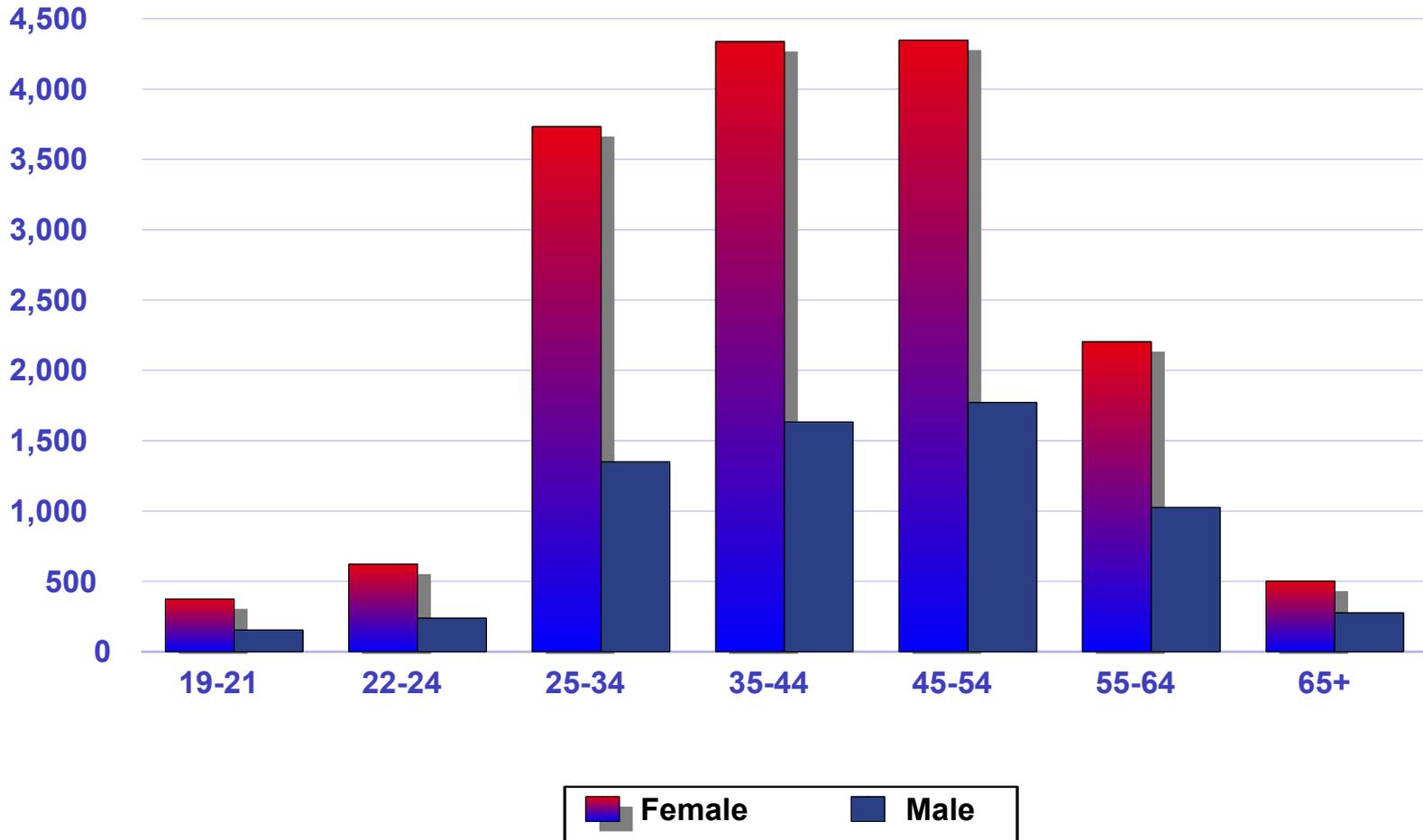
Source: Bureau of Labor Statistics, U.S. Census Bureau and National Alliance of Business



Sample of Current LEHD/Florida Products

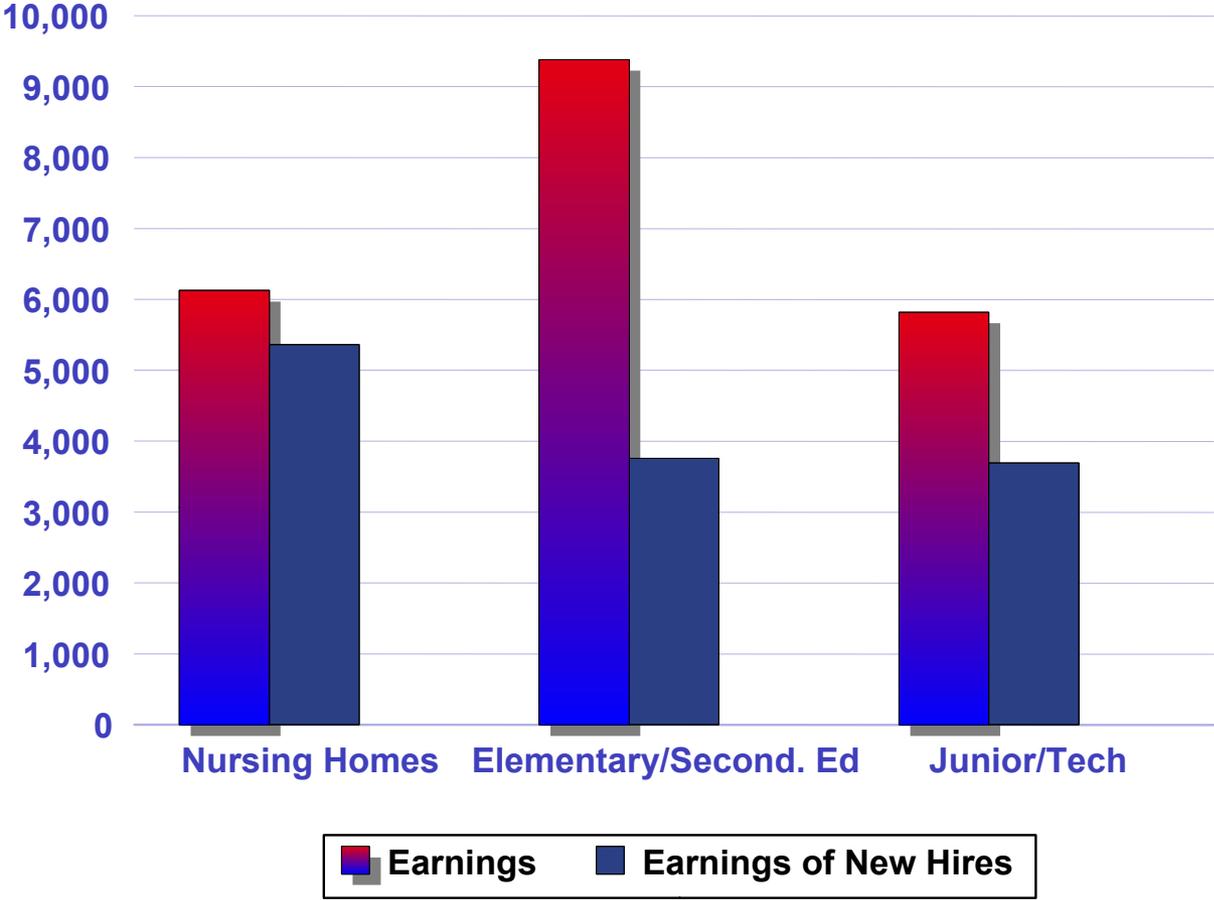
- Elementary/Secondary Education Workforce
 - Workforce Composition
 - Quarterly Earnings
 - Retention

Elementary/Secondary Education Workforce Composition in Miami/Dade County, Florida



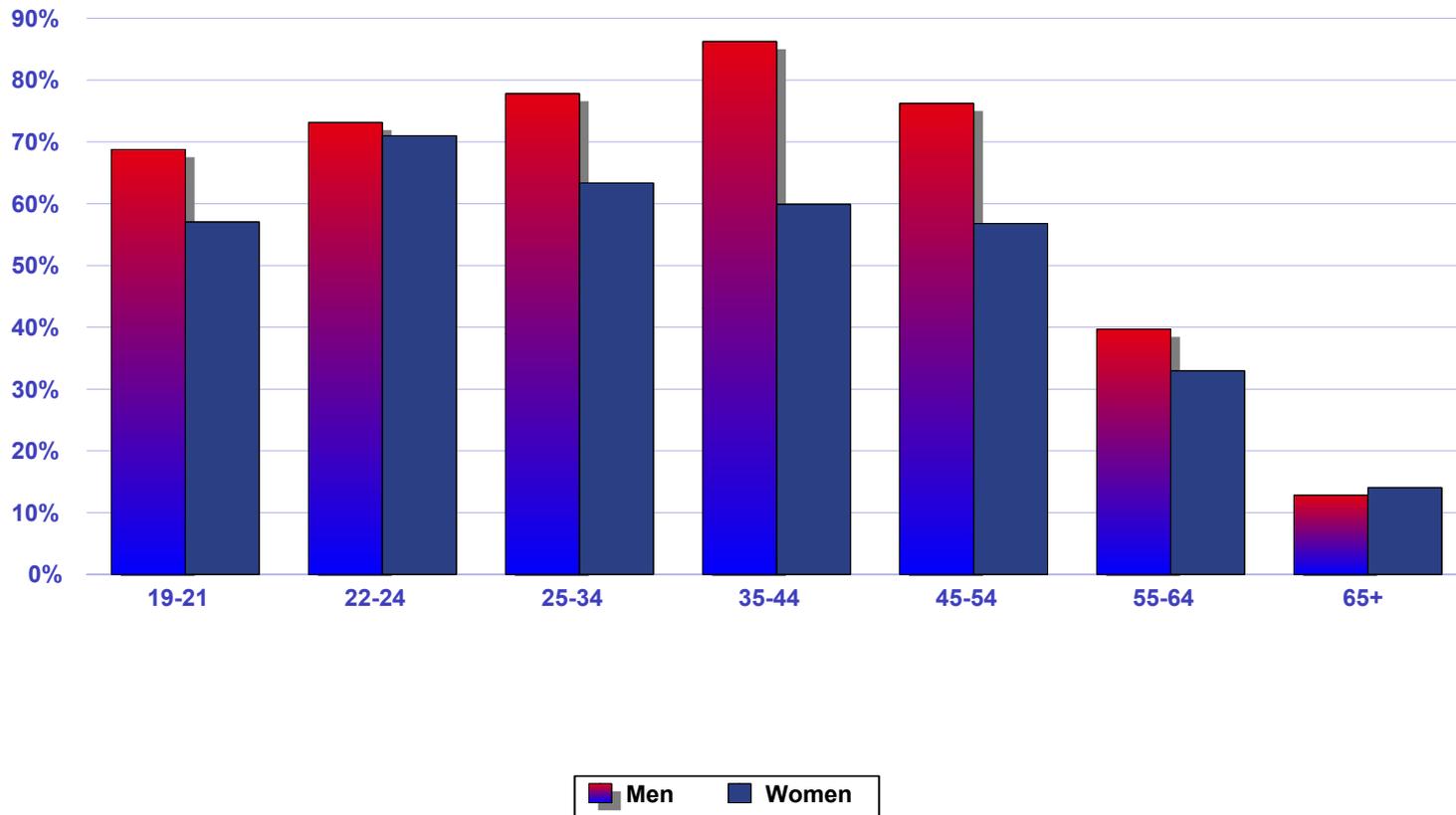
Source: Florida Agency for Workforce Innovation
Florida Department of Education
LEHD Program, Census Bureau

Earnings of 35-44 year old males in Miami/Dade County, Florida: Selected Industries



Source: Florida Agency for Workforce Innovation
Florida Department of Education
LEHD Program, Census Bureau

Miami/Dade County Elementary/Secondary Ed. New Hires Still Employed one Quarter later



Source: Florida Agency for Workforce Innovation
Florida Department of Education
LEHD Program, Census Bureau

Credential Outputs
Major Pipeline Outputs

Doctoral Degrees

Professional Degrees

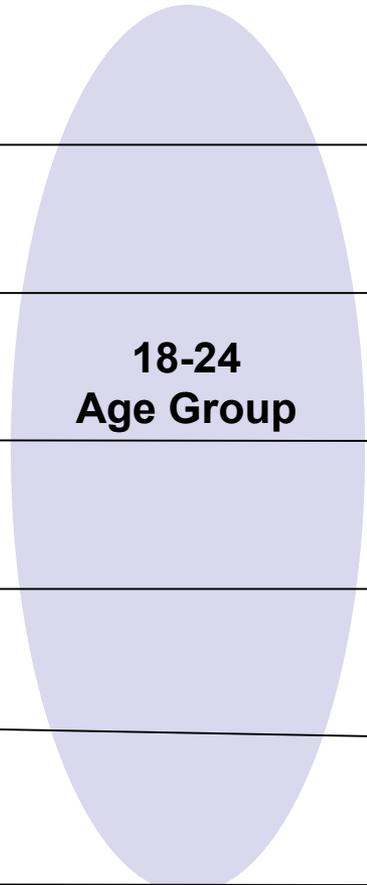
Master's Degrees

Bachelor's Degrees

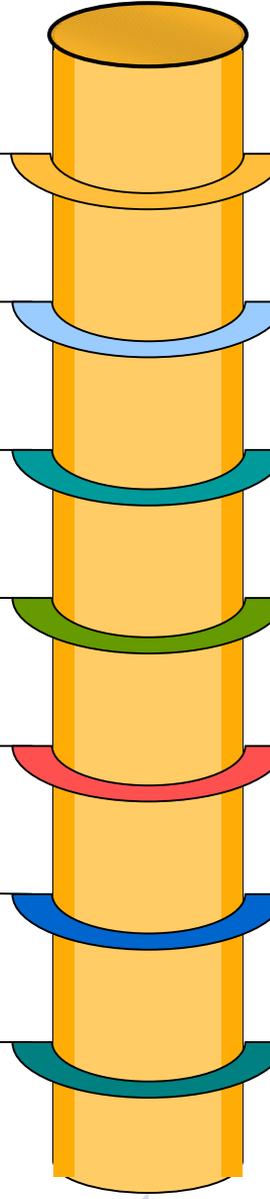
Associate Degrees

One-year PS Cert.

HS Diplomas



**18-24
Age Group**



Students Exiting/Entering
Additional Pipeline Inputs



Employment

As the data provided by the LEHD can better estimate employment demand the Educational Services can be more responsive in addressing that demand

